		DEPARTMENT (	ATE OF UTAH OF NATURAL RES OIL, GAS AND M			FORI			
APPLI	CATION FOR	PERMIT TO DRILL			1. WELL NAME and NUMBER CWU 1531-25D				
2. TYPE OF WORK  DRILL NEW WELL (	REENTER P8	A WELL ( DEEPEN	N WELL (		3. FIELD OR WILDCAT NATURAL BUTTES				
4. TYPE OF WELL		ed Methane Well: NO			5. UNIT OF COMMUNITIZATION AGREEMENT NAME CHAPITA WELLS				
6. NAME OF OPERATOR	EOG Resou				7. OPERATOR PHON				
8. ADDRESS OF OPERATOR									
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)		11. MINERAL OWNER			12. SURFACE OWN	e=5 /			
UTU0285A	- (faal)	FEDERAL ( INDI	AN ( STATE (	) FEE()		DIAN ( STATE (	~ ~		
13. NAME OF SURFACE OWNER (if box 12					14. SURFACE OWNI				
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')				16. SURFACE OWNI	ER E-MAIL (If box 1	.2 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMI		_	19. SLANT				
,		YES (Submit Co	ommingling Applicati	on) NO 📵	VERTICAL DIR	RECTIONAL 📵 HO	ORIZONTAL (		
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE	625 FN	IL 1873 FEL	NWNE	25	9.0 S	22.0 E	S		
Top of Uppermost Producing Zone	466 FN	IL 1324 FEL	NWNE	25	9.0 S	22.0 E	S		
At Total Depth	466 FN	IL 1324 FEL	NWNE	25	9.0 S	22.0 E	S		
21. COUNTY UINTAH		22. DISTANCE TO NE	AREST LEASE LIN 466	E (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT 1800				
		25. DISTANCE TO NE (Applied For Drilling		AME POOL	<b>26. PROPOSED DEPTH</b> MD: 9340 TVD: 9290				
27. ELEVATION - GROUND LEVEL 5065		28. BOND NUMBER	NM2308		29. SOURCE OF DRI WATER RIGHTS AP		F APPLICABLE		
		AT	TACHMENTS		1				
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORDANC	CE WITH THE UT	AH OIL AND	GAS CONSERVATI	ON GENERAL RU	ILES		
<b>✓</b> WELL PLAT OR MAP PREPARED BY	PLETE DRILLING	PLAN							
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURFA	ACE) FORM	I 5. IF OPERATO	R IS OTHER THAN TI	HE LEASE OWNER			
DIRECTIONAL SURVEY PLAN (IF DID DRILLED)	RECTIONALLY	GRAPHICAL MA	P						
NAME Mary Maestas	TITL	<b>E</b> Regulatory Assistant		<b>PHONE</b> 303 8	24-5526				
SIGNATURE	DAT	<b>E</b> 04/26/2010		EMAIL mary_	maestas@eogresource	s.com			
API NUMBER ASSIGNED 43047510810000	APP	ROVAL		Book	Ogylll				
				Perm	it Manager				

API Well No: 43047510810000 Received: 4/26/2010

	Proposed Hole, Casing, and Cement												
String	ring Hole Size Casing Size Top (MD) Bottom (MD)												
Surf	12.25	9.625	0	2300									
Pipe	Grade	Length	Weight										
	Grade J-55 ST&C	2300	36.0										

API Well No: 43047510810000 Received: 4/26/2010

	Proposed Hole, Casing, and Cement												
String	ring Hole Size Casing Size Top (MD) Bottom (MD)												
Prod	7.875	4.5	0	9340									
Pipe	Grade	Length	Weight										
	Grade N-80 LT&C	9340	11.6										



# DRILLING PLAN MULTI-WELL PAD:

# CWU 1530-25D, CWU 1531-25D, CWU 1532-25D, CWU 1533-25D, CWU 1534-25D

NW/NE, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

## 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

	CWU 1	530-25D	CWU 1	531-25D	CWU 1	532-25D	CWU 1	533-25D
FORMATION	TVD	TVD MD		MD	TVD	MD	TVD	MD
Green River	1519	1531	1510	1521	1495	1509	1464	1474
Birdsnest	1747	1763	1736	1752	1727	1746	1723	1743
Mahogany Oil Shale Bed	2302	2326	2299	2325	2290	2323	2282	2322
Wasatch	4640	4678	4634	4683	4615	4673	4607	4678
Chapita Wells	5223	5260	5215	5264	5193	5251	5187	5259
Buck Canyon	5906	5943	5896	5945	5867	5926	5858	5929
North Horn	6565	6602	6558	6607	6541	6599	6538	6610
KMV Price River	6897	6934	6886	6936	6859	6917	6855	6926
KMV Price River Middle	7768	7805	7758	7807	7738	7796	7743	7815
KMV Price River Lower	8575	8612	8565	8615	8545	8604	8550	8621
Sego	9090	9128	9087	9137	9070	9128	9061	9132
TD	9290	9328	9290	9340	9270	9328	9265	9336
ANTICIPATED BHP (PSI)	50	72	50 <sup>-</sup>	72	5061		5059	

	CWU 1	534-25D						
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD
Green River	1460	1474						
Birdsnest	1726	1745						
Mahogany Oil Shale Bed	2289	2320						
Wasatch	4626	4660						
Chapita Wells	5211	5245						
Buck Canyon	5892	5926						
North Horn	6556	6591						
KMV Price River	6886	6920						
KMV Price River Middle	7768	7802						
KMV Price River Lower	8573	8608						
Sego	9081	9116						
TD	9285	9320						
ANTICIPATED BHP (PSI)	50	70						

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.



## DRILLING PLAN MULTI-WELL PAD: CWU 1530-25D, CWU 1531-25D, CWU 1532-25D, CWU 1533-25D, CWU 1534-25D

NW/NE, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

3. PRESSURE CONTROL EQUIPMENT: Production Hole – 5000 Psig BOP schematic diagrams attached.

#### 4. CASING PROGRAM:

Casing	Hole Size	Length	Size	Weight	Grade	Thread	Rating Collapse	Rating Burst	Tensile
Conductor	20"	0 – 60'	14"	32.5#	A252			1800 PSI	10,000#
Surface	12 ¼"	0 - 2,300'±	9 %"	36.0#	J-55	STC	2020 PSI	3520 PSI	394,000#
Production	7 7/8"	Surface – TD	4 ½"	11.6#	N-80	LTC	6350 PSI	7780 PSI	223,000#

Note: 12 1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/4" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

#### 5. Float Equipment:

#### Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

### Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

### Surface Hole Procedure (Surface - 2300'±):

0' - 2300' + Air/Air mist/Aerated water

or

A closed mud system will be utilized with a gelled bentonite system. LCM sweeps, additions, etc. will be utilized as necessary.



## **DRILLING PLAN MULTI-WELL PAD:** CWU 1530-25D, CWU 1531-25D, CWU 1532-25D, CWU 1533-25D, CWU 1534-25D NW/NE, SEC. 25, T9S, R22E, S.L.B.&M..

**UINTAH COUNTY, UTAH** 

#### Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5-10.5 ppg depending on actul wellbore conditions encountered while drilling.

2300'± - TD

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

#### 7. VARIANCE REQUESTS:

Onshore Oil and Gas Order No. 1 Reference:

Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- o EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

### 8. EVALUATION PROGRAM:

Logs: None

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Gamma Ray** 



## DRILLING PLAN MULTI-WELL PAD: CWU 1530-25D, CWU 1531-25D, CWU 1532-25D, CWU 1533-25D, CWU 1534-25D

NW/NE, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM:

#### Surface Hole Procedure (Surface - 2300'±):

Lead: 150 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>,

3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail: 135 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

5.2 gps water.

**Top Out**: As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6

ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note**: The above number of sacks is based on gauge-hole calculation

Lead volume to be calculated to bring cement to surface.

Tail volume to be calculated to bring cement to 500' above the shoe.

## Production Hole Procedure (2300'± - TD)

**Lead:** 130 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 900 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant),

mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note**: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.



## DRILLING PLAN MULTI-WELL PAD: CWU 1530-25D, CWU 1531-25D, CWU 1532-25D, CWU 1533-25D, CWU 1534-25D NW/NE, SEC. 25, T9S, R22E, S.L.B.&M..

NW/NE, SEC. 25, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - 2300'±):

Lost circulation

#### Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

## 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

## 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

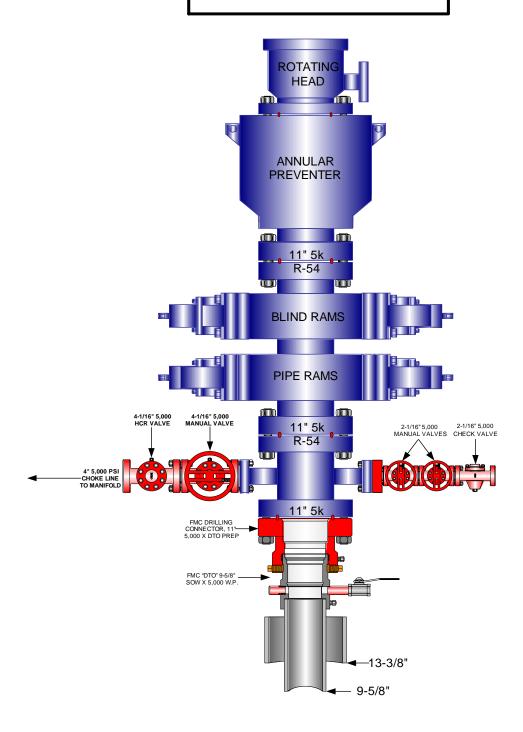
## 13. Air Drilling Operations:

- Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

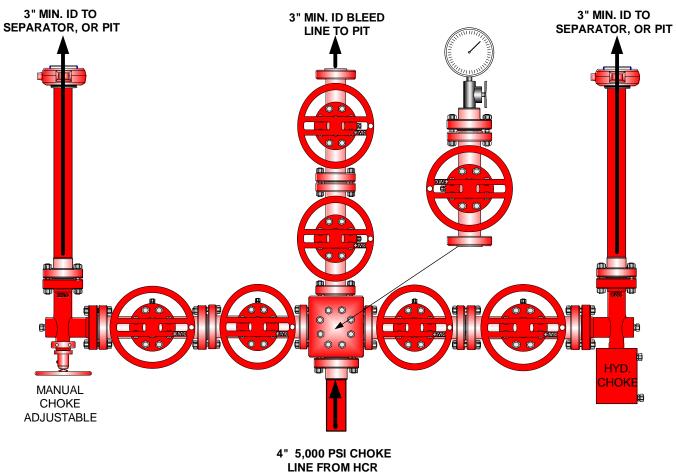
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



## EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/5,000 PSI WP VALVES

**PAGE 2 0F 2** 



LINE FROM HCR VALVE

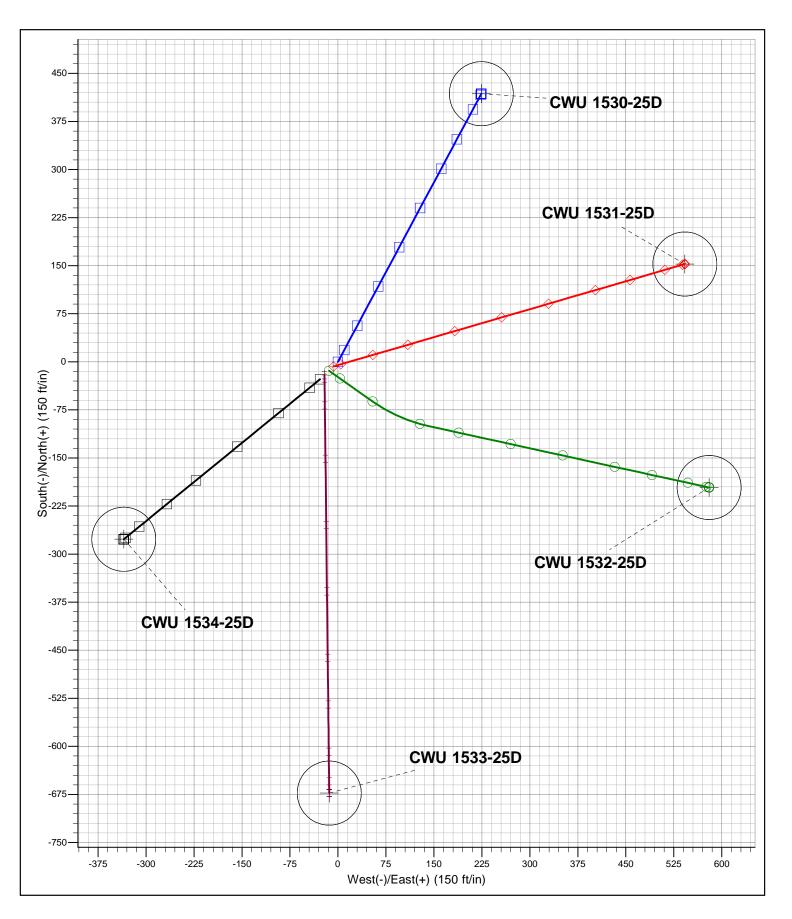
### **Testing Procedure:**

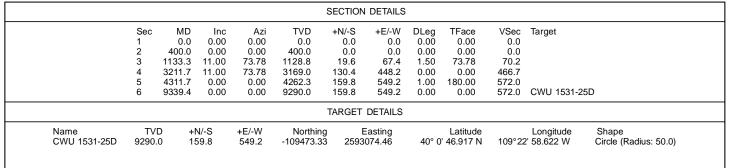
- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

## CWU 1530-25D, CWU 1531-25D, CWU 1532-25D CWU 1533-25D, CWU 1534-25D

NW/NE, SEC. 25 T9S, R22E, S.L.B. & M. UINTAH COUNTY, UTAH









## **Denver Division - Utah**

T9S-R22E Sec 25 CWU 1530-1534 25D (Pad C1\_CWU 759-25\_Set 11) 1531-25D

Wellbore #1

Plan: APD

## **Standard Planning Report**

08 March, 2010



#### **EOG Resources**

#### Planning Report

EDM 2003.21 Single User Db Database: Company: Denver Division - Utah

Project: T9S-R22E Sec 25 CWU 1530-1534 25D (Pad C1\_CWU Site:

759-25\_Set 11) 1531-25D Well: Wellbore: Wellbore #1 APD Design:

**Local Co-ordinate Reference:** 

TVD Reference: RIG @ 5083.0ft (True 34) RIG @ 5083.0ft (True 34) MD Reference: North Reference:

True

**Survey Calculation Method:** 

Minimum Curvature

Well 1531-25D

T9S-R22E Sec 25 Project

Map System: US State Plane 1927 (Exact solution)

NAD 1927 (NADCON CONUS) Geo Datum:

Utah North 4301 Map Zone:

System Datum: Mean Sea Level

Site CWU 1530-1534 25D (Pad C1\_CWU 759-25\_Set 11)

Site Position: Northing: -109,670.61 ft 40° 0' 45.090 N Latitude: Easting: 2,592,568.81 ft Longitude: 109° 23' 5.179 W From: Lat/Long **Position Uncertainty:** 0.0 ft Slot Radius: **Grid Convergence:** 1.39°

Well 1531-25D

**Well Position** +N/-S -109,646.44 ft 40° 0' 45.338 N 25.1 ft Northing: Latitude: +E/-W -38.9 ft Easting: 2,592,529.27 ft Longitude: 109° 23' 5.680 W

0.0 ft Wellhead Elevation: **Position Uncertainty** ft **Ground Level:** 5,064.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	9/11/2009	11.24	65.96	52,555

APD Design **Audit Notes:** PROTOTYPE Version: Phase: Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.0 0.0 0.0 73.78

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,133.3	11.00	73.78	1,128.8	19.6	67.4	1.50	1.50	0.00	73.78	
3,211.7	11.00	73.78	3,169.0	130.4	448.2	0.00	0.00	0.00	0.00	
4,311.7	0.00	0.00	4,262.3	159.8	549.2	1.00	-1.00	0.00	180.00	
9,339.4	0.00	0.00	9,290.0	159.8	549.2	0.00	0.00	0.00	0.00	CWU 1531-25D



#### **EOG Resources**

#### **Planning Report**

Database: EDM 2003.21 Single User Db
Company: Denver Division - Utah
Project: T9S-R22E Sec 25

Site: CWU 1530-1534 25D (Pad C1\_CWU

759-25\_Set 11)

Well: 1531-25D

Wellbore: Wellbore #1

Design: APD

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well 1531-25D

RIG @ 5083.0ft (True 34) RIG @ 5083.0ft (True 34)

True

Minimum Curvature

esign:	APD								
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	1.50	73.78	500.0	0.4	1.3	1.3	1.50	1.50	0.00
600.0	3.00	73.78	599.9	1.5	5.0	5.2	1.50	1.50	0.00
700.0	4.50	73.78	699.7	3.3	11.3	11.8	1.50	1.50	0.00
800.0	6.00	73.78	799.3	5.8	20.1	20.9	1.50	1.50	0.00
900.0	7.50	73.78	898.6	9.1	31.4	32.7	1.50	1.50	0.00
1,000.0	9.00	73.78	997.5	13.1	45.2	47.0	1.50	1.50	0.00
1,100.0	10.50	73.78	1,096.1	17.9	61.4	64.0	1.50	1.50	0.00
1,133.3	11.00	73.78	1,128.8	19.6	67.4	70.2	1.50	1.50	0.00
1,200.0	11.00	73.78	1,194.3	23.2	79.6	82.9	0.00	0.00	0.00
1,300.0	11.00	73.78	1,292.4	28.5	97.9	102.0	0.00	0.00	0.00
1,400.0	11.00	73.78	1,390.6	33.8	116.2	121.1	0.00	0.00	0.00
1,500.0	11.00	73.78	1,488.8	39.1	134.6	140.1	0.00	0.00	0.00
1,600.0	11.00	73.78	1,586.9	44.5	152.9	159.2	0.00	0.00	0.00
1,700.0	11.00	73.78	1,685.1	49.8	171.2	178.3	0.00	0.00	0.00
1,800.0	11.00	73.78	1,783.3	55.1	189.5	197.4	0.00	0.00	0.00
1,900.0	11.00	73.78	1,881.4	60.5	207.8	216.5	0.00	0.00	0.00
2,000.0	11.00	73.78	1,979.6	65.8	226.2	235.5	0.00	0.00	0.00
2,100.0	11.00	73.78	2.077.7	71.1	244.5	254.6	0.00	0.00	0.00
2,200.0	11.00	73.78	2,175.9	76.5	262.8	273.7	0.00	0.00	0.00
2,300.0	11.00	73.78	2,274.1	81.8	281.1	292.8	0.00	0.00	0.00
2,400.0	11.00	73.78	2,372.2	87.1	299.5	311.9	0.00	0.00	0.00
2,500.0	11.00	73.78	2,470.4	92.4	317.8	331.0	0.00	0.00	0.00
2,600.0	11.00	73.78	2,568.6	97.8	336.1	350.0	0.00	0.00	0.00
2,700.0	11.00	73.78	2,666.7	103.1	354.4	369.1	0.00	0.00	0.00
2,800.0	11.00	73.78	2,764.9	108.4	372.7	388.2	0.00	0.00	0.00
2,900.0	11.00	73.78	2,863.0	113.8	391.1	407.3	0.00	0.00	0.00
3,000.0	11.00	73.78	2,961.2	119.1	409.4	426.4	0.00	0.00	0.00
3,100.0	11.00	73.78	3,059.4	124.4	427.7	445.4	0.00	0.00	0.00
3,200.0	11.00	73.78	3,157.5	129.8	446.0	464.5	0.00	0.00	0.00
3,211.7	11.00	73.78	3,169.0	130.4	448.2	466.7	0.00	0.00	0.00
3,300.0	10.12	73.78	3,255.8	134.9	463.7	482.9	1.00	-1.00	0.00
3,400.0	9.12	73.78	3,354.4	139.6	479.7	499.6	1.00	-1.00	0.00
3,500.0	8.12	73.78	3,453.3	143.8	494.1	514.6	1.00	-1.00	0.00
3,600.0	7.12	73.78	3,552.4	147.5	506.9	527.9	1.00	-1.00	0.00
3,700.0	6.12	73.78	3,651.7	150.7	517.9	539.4	1.00	-1.00	0.00
3,800.0	5.12	73.78	3,751.3	153.4	527.3	549.2	1.00	-1.00	0.00
3,900.0	4.12	73.76 73.78	3,850.9	155.4	527.3 535.1	549.2 557.2	1.00	-1.00 -1.00	0.00
4,000.0	3.12	73.76 73.78	3,950.7	155.7	541.1	563.5	1.00	-1.00 -1.00	0.00
4,100.0	2.12	73.78	4,050.6	157.4	545.5	568.1	1.00	-1.00	0.00
4,200.0	1.12	73.78	4,150.6	159.5	548.2	570.9	1.00	-1.00	0.00
4,300.0	0.12	73.78	4,250.6	159.8	549.2	572.0	1.00	-1.00	0.00
4,311.7	0.00	0.00	4,262.3	159.8	549.2	572.0	1.00	-1.00	0.00
4,400.0	0.00	0.00	4,350.6	159.8	549.2	572.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,450.6	159.8	549.2	572.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,550.6	159.8	549.2	572.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,650.6	159.8	549.2	572.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,750.6	159.8	549.2	572.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,850.6	159.8	549.2	572.0	0.00	0.00	0.00



#### **EOG Resources**

#### **Planning Report**

Database: EDM 2003.21 Single User Db
Company: Denver Division - Utah
Project: T9S-R22E Sec 25

Site: CWU 1530-1534 25D (Pad C1\_CWU

759-25\_Set 11)

Well: 1531-25D

Wellbore: Wellbore #1

Design: APD

Local Co-ordinate Reference:

**Survey Calculation Method:** 

TVD Reference:
MD Reference:
North Reference:

....

Well 1531-25D

RIG @ 5083.0ft (True 34) RIG @ 5083.0ft (True 34)

True

Minimum Curvature

sign:	APD								
nned Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
5,000.0	0.00	0.00	4,950.6	159.8	549.2	572.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,050.6	159.8	549.2	572.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,150.6	159.8	549.2	572.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,250.6	159.8	549.2	572.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,350.6	159.8	549.2	572.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,450.6	159.8	549.2	572.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,550.6	159.8	549.2	572.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,650.6	159.8	549.2	572.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,750.6	159.8	549.2	572.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,850.6	159.8	549.2	572.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,950.6	159.8	549.2	572.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,050.6	159.8	549.2	572.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,150.6	159.8	549.2	572.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,250.6	159.8	549.2	572.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,350.6	159.8	549.2	572.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,450.6	159.8	549.2	572.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,550.6	159.8	549.2	572.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,650.6	159.8	549.2	572.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,750.6	159.8	549.2	572.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,850.6	159.8	549.2	572.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,950.6	159.8	549.2	572.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,050.6	159.8	549.2	572.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,150.6	159.8	549.2	572.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,250.6	159.8	549.2	572.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,350.6	159.8	549.2	572.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,450.6	159.8	549.2	572.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,550.6	159.8	549.2	572.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,650.6	159.8	549.2	572.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,750.6	159.8	549.2	572.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,850.6	159.8	549.2	572.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,950.6	159.8	549.2	572.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,050.6	159.8	549.2	572.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,150.6	159.8	549.2	572.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,250.6	159.8	549.2	572.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,350.6	159.8	549.2	572.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,450.6	159.8	549.2	572.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,550.6	159.8	549.2	572.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,650.6	159.8	549.2	572.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,750.6	159.8	549.2	572.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,850.6	159.8	549.2	572.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,950.6	159.8	549.2	572.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,050.6	159.8	549.2	572.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,150.6	159.8	549.2	572.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,250.6	159.8	549.2	572.0	0.00	0.00	0.00
9,339.4	0.00	0.00	9,290.0	159.8	549.2	572.0	0.00	0.00	0.00



## Chapita Wells Unit 1530-25D, 1531-25D, 1532-25D, 15 33-25D, 1534-25D NWNE, Section 25, T9S, R22E Uintah County, Utah

#### SURFACE USE PLAN

The well pad is approximately 370 feet long with a 235-foot width, containing 2.0 acres more or less. New surface disturbance associated with the well pad is estimated to be approximately 2.0 acres.

#### 1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 50.5 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. The existing access road for the producing wells Chapita Wells Unit 759-25 and Chapita Wells Unit 931-25 will be used to access the proposed locations.
- B. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

#### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, six (6) to ten (10) 400-bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

#### B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. No off well pad pipeline will be required. The existing pipeline for producing Chapita Wells Unit 759-25 and Chapita Wells Unit 931-25 will be used.
- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### 6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

#### 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined and dried in a cuttings pit. Dried cuttings shall be spread on the access road.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD CWU 2-29 SWD, Red Wash Evaporation Ponds 1, 2, 3, 4, 5, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or White River Evaporation Ponds 1, or 2, or Hoss SWD Facility: right-of-way UTU 86010, and UTU 897093, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either natural or artificial evaporation methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilled utilizing a closed loop system. The closed loop system will be installed in a manner that prevents leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50' x 100'. The surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on the location and access road. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at

the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.

#### 8. ANCILLARY FACILITIES:

None anticipated.

#### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The proposed location will be drilled utilizing a closed loop system.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be seeded with the approved seed mixture from this.

Access to the well pad will be from the northeast.

The corners of the well pad will be rounded off as needed to minimize excavation.

#### 10. PLANS FOR RECLAMATION OF THE SURFACE:

#### A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled topsoil will then be spread over the pit area (See Figure #4) and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan filed September 29, 2009.

#### B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriate surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

Bureau of Land Management

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A block cultural resources survey for Sec. 25, T9S, R22E was conducted and submitted by Montgomery Archaeological Consultants, MOAC Report # 06-615, on April 14, 2007. A paleontological survey was conducted and will be submitted by Intermountain Paleo.

#### **Additional Surface Stipulations:**

None

Page 7

#### LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

#### PERMITTING AGENT

Mary A. Maestas EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

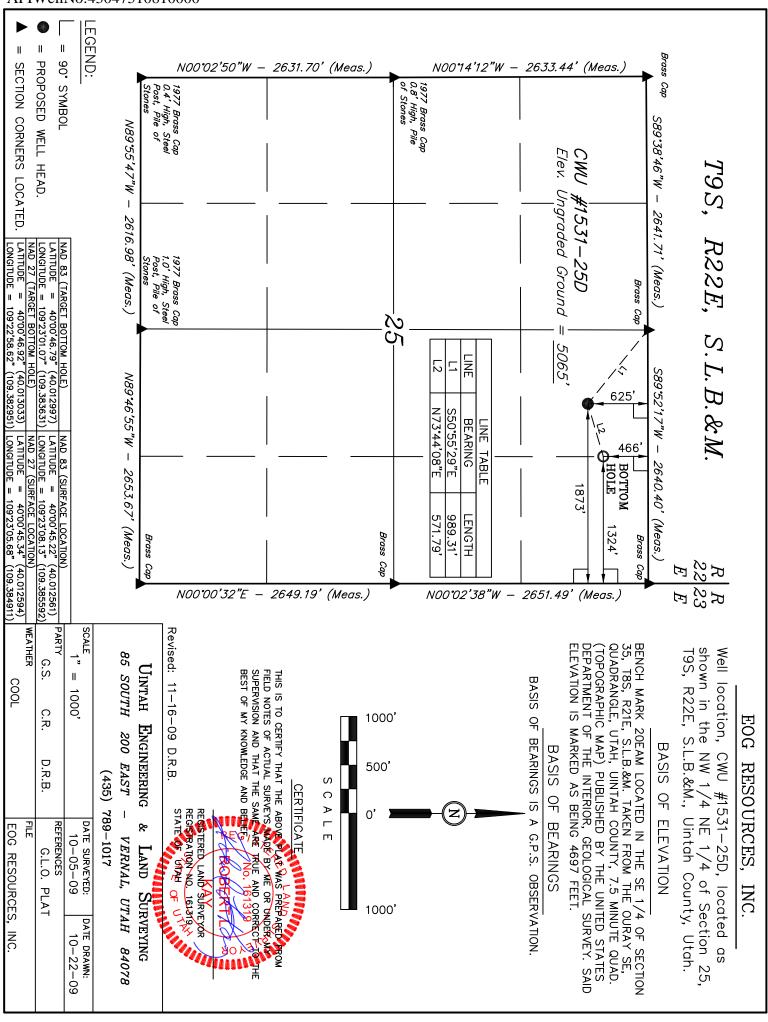
Page 8

#### **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Chapita Wells Unit 1530-25D, 1531-25D, 1532-25D, 1533-25D, and 1534-25D Wells, located in the NWNE, of Section 25, T9S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

April 23, 2010	
Date	Mary A. Maestas, Regulatory Assitant



## EOG RESOURCES, INC.

CWU #1530-25D, #1531-25D, #1532-25D, #1533-25D & #1534-25D LOCATED IN UINTAH COUNTY, UTAH

SECTION 25, T9S, R22E, S.L.B.&M.

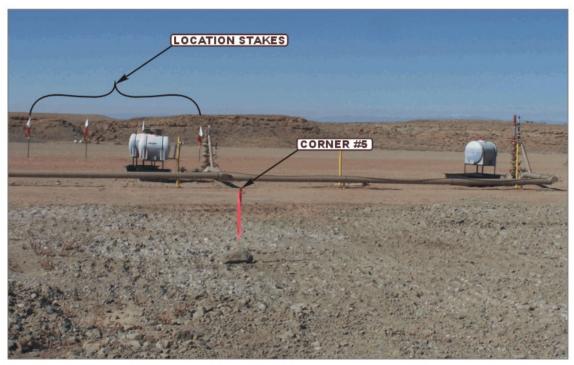


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: NORTHWESTERLY

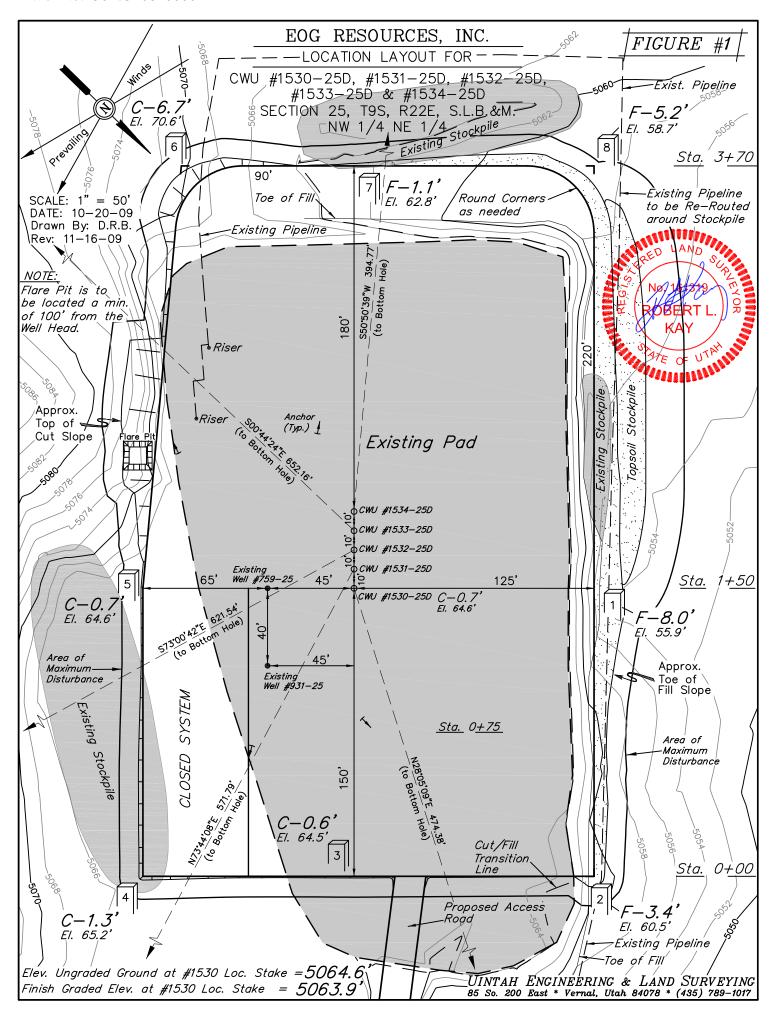


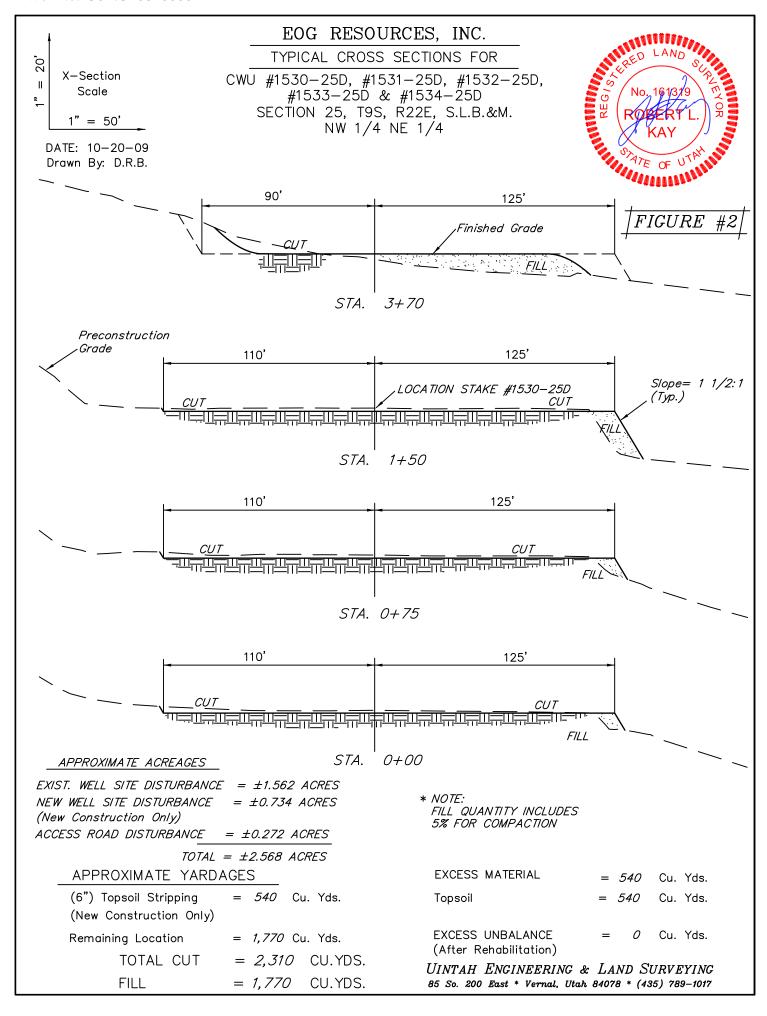
PHOTO: VIEW OF EXISTING ACCESS

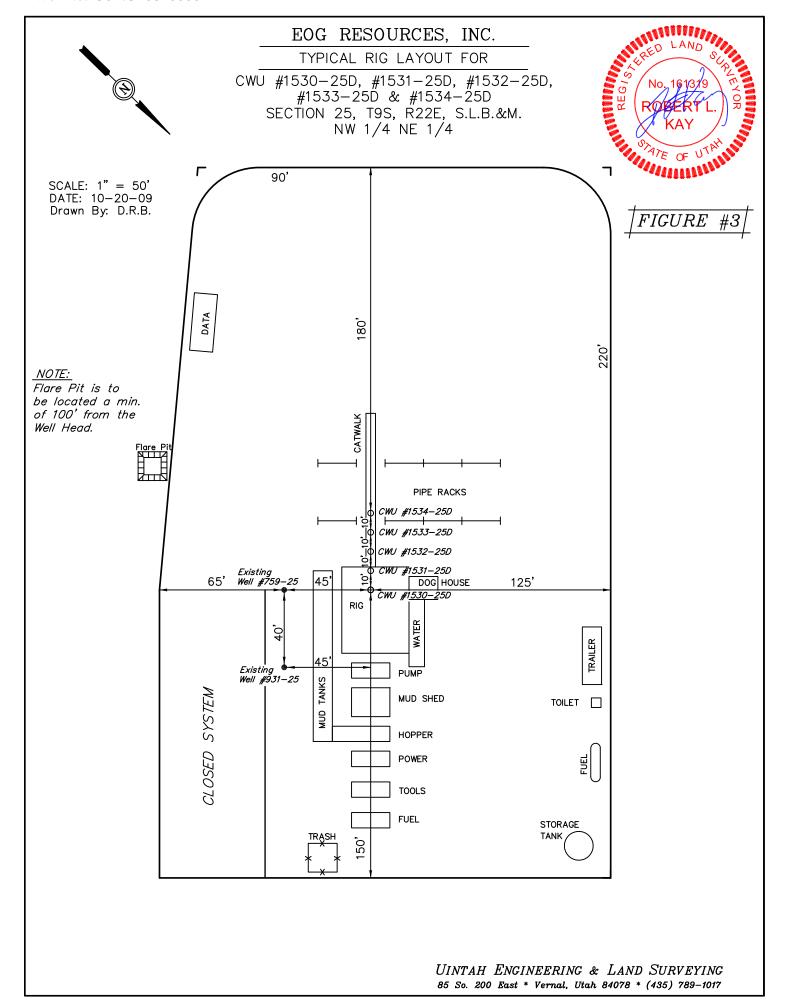
CAMERA ANGLE: SOUTHWESTERLY

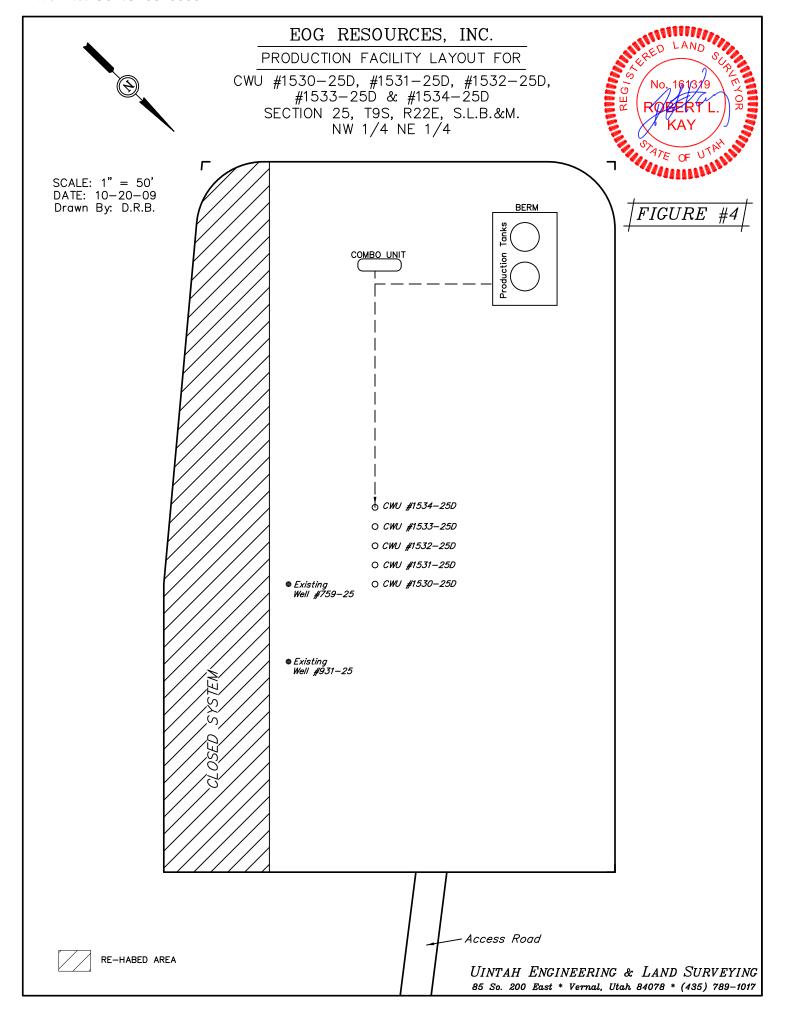


LOCATION	PHOTO	10 MONTH	09 DAY	09 YEAR	рното
TAKEN BY: D.S.	DRAWN BY: Z.L	. REV	ISED: 0	0-00-00	





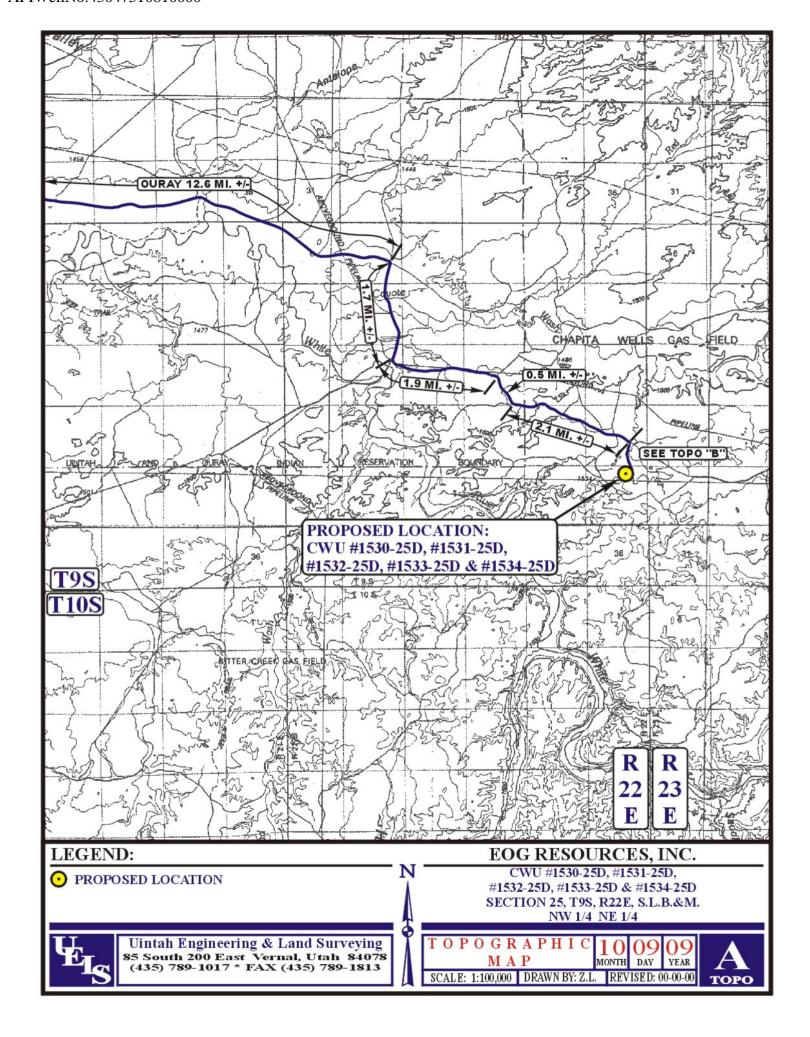


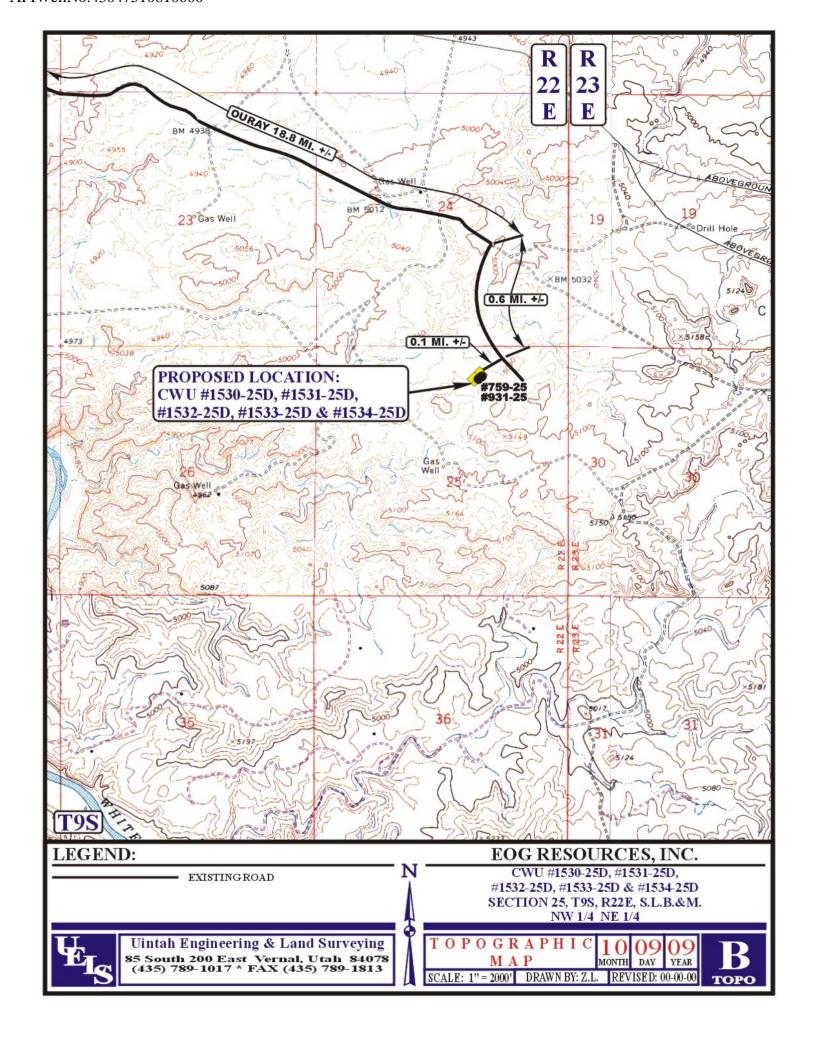


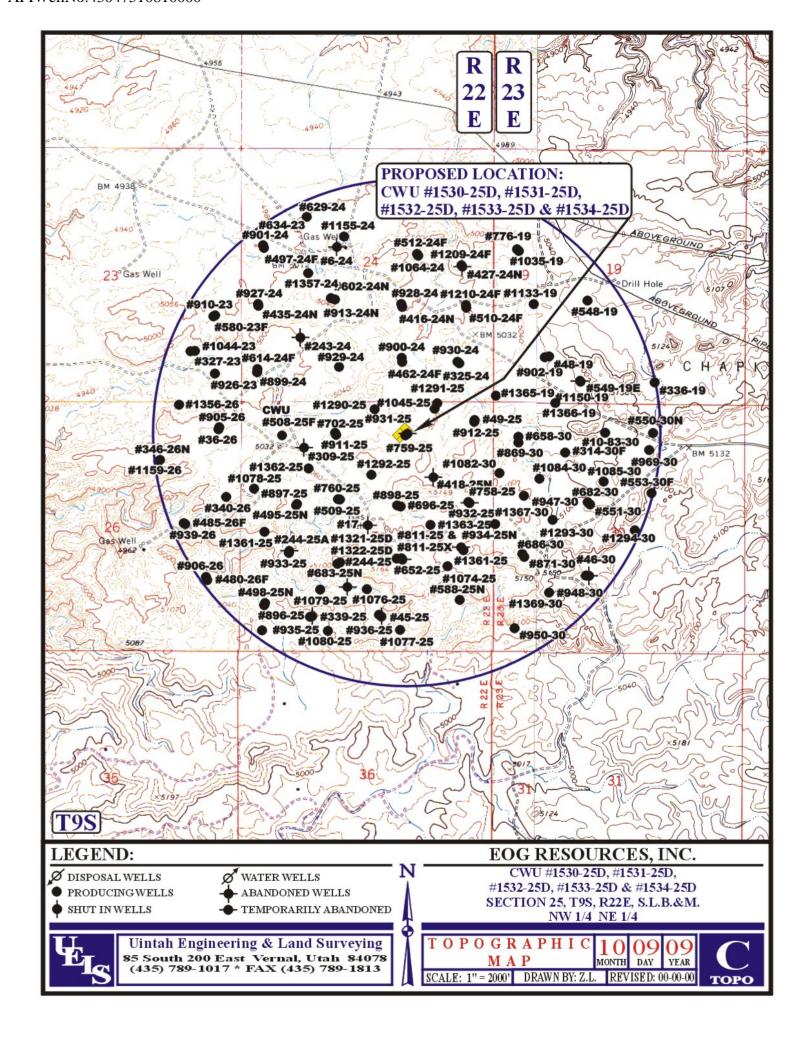
## EOG RESOURCES, INC. CWU #1530-25D, #1531-25D, #1532-25D, #1533-25D & #1534-25D SECTION 25, T9S, R22E, S.L.B.&M.

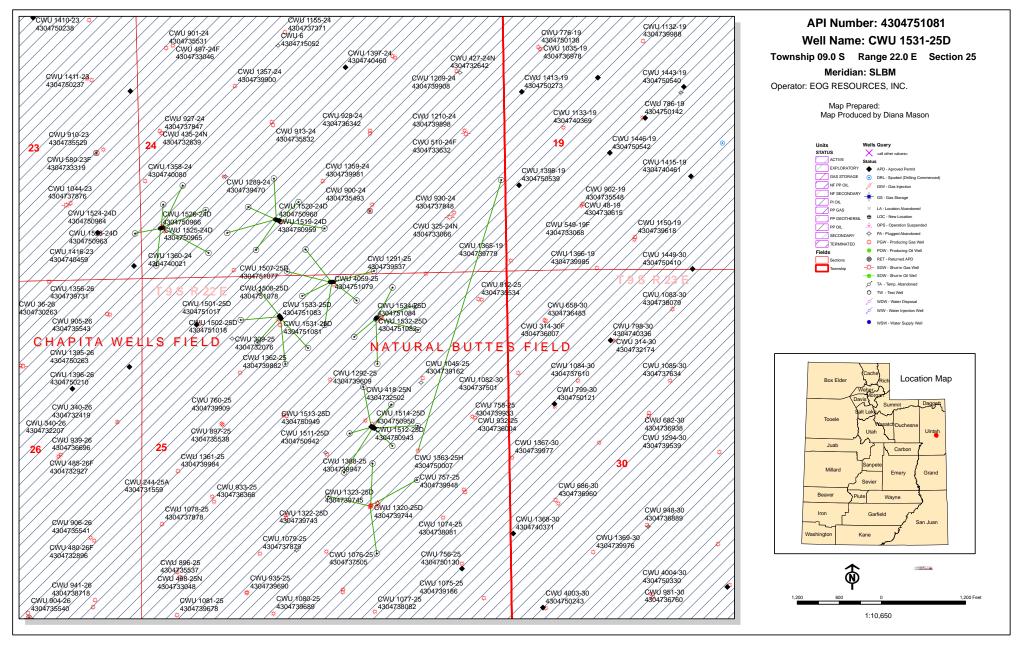
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST: TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATLEY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.5 MILES.











EOG Resources, Inc.

600 Seventeenth Street Suite 1000N Denver, CO 80202 Main: 303-572-9000 Fax: 303-824-5400

May 11, 2010

Diana Whitney Utah Division of Oil, Gas, & Mining P.O. Box 145801 Salt Lake City, Utah 54114-5801

**RE:** Directional Application

Lease UTU-0285-A Chapita Wells Unit 1531-25D Section 25, T9S, R22E Uintah County, Utah # 2587

Ms. Whitney,

Pursuant to the filing of Chapita Wells Unit 1531-25D Application for Permit to Drill regarding the above referenced well on April 26, 2010, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

- EOG Resources, Inc. is the only lease operator/working interest owner within a 460 foot radius of the Chapita Wells Unit 1531-25D well bore, located within Section 25, T9S, R22E, Uintah County, Utah.
- EOG Resources, Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, EOG will be able to utilize the existing road infrastructure.
- Furthermore, EOG hereby certifies that EOG is the sole working interest owner within 460 feet of the entire directional well bore.

Based on the above stated information, EOG Resources, Inc. requests the permit be granted pursuant to R649-3-11.

Sincerely,

Mary A. Maestas Regulatory Assistant RECEIVED

MAY 1 3 2010

# **United States Department of the Interior**

#### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

May 17, 2010

Memorandum

Assistant District Manager Minerals, Vernal District To:

Michael Coulthard, Petroleum Engineer From:

2010 Plan of Development Chapita Wells Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2010 within the Chapita Wells Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ WASATCH)

43-047-51079 CWU 4059-25 Sec 25 T09S R22E 0102 FNL 2497 FEL

(Proposed PZ MESA VERDE)

43-047-51073 CWU 1503-25D Sec 25 T09S R22E 0103 FNL 2537 FEL BHL Sec 24 T09S R22E 0061 FSL 2092 FWL

43-047-51074 CWU 1504-25D Sec 25 T09S R22E 0103 FNL 2527 FEL

BHL Sec 25 T09S R22E 0293 FNL 2300 FWL

43-047-51075 CWU 1505-25D Sec 25 T09S R22E 0102 FNL 2507 FEL BHL Sec 25 T09S R22E 0716 FNL 2624 FEL

43-047-51076 CWU 1506-25D Sec 25 T09S R22E 0102 FNL 2487 FEL

BHL Sec 25 T09S R22E 0375 FNL 2159 FEL

43-047-51077 CWU 1507-25D Sec 25 T09S R22E 0102 FNL 2477 FEL

BHL Sec 24 T09S R22E 0041 FSL 1903 FEL

43-047-51078 CWU 1508-25D Sec 25 T09S R22E 0102 FNL 2517 FEL BHL Sec 24 T09S R22E 0375 FSL 2361 FWL API# WELL NAME LOCATION

(Proposed PZ MESA VERDE)

43-047-51080 CWU 1530-25D Sec 25 T09S R22E 0618 FNL 1866 FEL BHL Sec 25 T09S R22E 0200 FNL 1642 FEL 43-047-51081 CWU 1531-25D Sec 25 T09S R22E 0625 FNL 1873 FEL BHL Sec 25 T09S R22E 0466 FNL 1324 FEL 43-047-51082 CWU 1532-25D Sec 25 T09S R22E 0632 FNL 1880 FEL

BHL Sec 25 T09S R22E 0032 FNL 1286 FEL

43-047-51083 CWU 1533-25D Sec 25 T09S R22E 0639 FNL 1887 FEL BHL Sec 25 T09S R22E 1291 FNL 1879 FEL

43-047-51084 CWU 1534-25D Sec 25 T09S R22E 0646 FNL 1894 FEL BHL Sec 25 T09S R22E 0895 FNL 2201 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

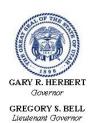
bcc: File - Chapita Wells Unit
 Division of Oil Gas and Mining
 Central Files
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:5-17-10

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	4/26/2010	API NO. ASSIGNED:	43047510810000
WELL NAME:	CWU 1531-25D		
OPERATOR:	EOG Resources, Inc. (N955	PHONE NUMBER:	303 824-5526
CONTACT:	Mary Maestas		
PROPOSED LOCATION:	NWNE 25 090S 220E	Permit Tech Review:	
SURFACE:	0625 FNL 1873 FEL	Engineering Review:	
воттом:	0466 FNL 1324 FEL	Geology Review:	
COUNTY:	UINTAH		
LATITUDE:		LONGITUDE:	-109.38501
UTM SURF EASTINGS:		NORTHINGS:	4430197.00
FIELD NAME:	NATURAL BUTTES		
LEASE TYPE:			
LEASE NUMBER:	UTU0285A PROPO	SED PRODUCING FORMATION(S): MESA	VERDE
SURFACE OWNER:	1 - Federal	COALBED METHANE:	NO
RECEIVED AND/OR REVIEWE	D:	LOCATION AND SITING:	
<b>⊭</b> PLAT		R649-2-3.	
<b>☑</b> Bond: FEDERAL - NM2308		Unit: CHAPITA WELLS	
Potash		R649-3-2. General	
<b>☑</b> Oil Shale 190-5			
Oil Shale 190-3		R649-3-3. Exception	
Oil Shale 190-13		✓ Drilling Unit	
<b>✓ Water Permit:</b> 49-225		<b>Board Cause No:</b> Cause 179-8	
RDCC Review:		Effective Date: 8/10/1999	
Fee Surface Agreement		Siting: Suspends General Siting	
Intent to Commingle		<b>№</b> R649-3-11. Directional Drill	
Commingling Approved			
Comments: Presite Comp	leted		
Stipulations: 4 - Federal A	Approval - dmason		

4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason



### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

#### **Permit To Drill**

\*\*\*\*\*

**Well Name:** CWU 1531-25D **API Well Number:** 43047510810000

**Lease Number:** UTU0285A **Surface Owner:** FEDERAL **Approval Date:** 5/17/2010

#### Issued to:

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-8. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

API Well No: 43047510810000

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

Gil Hunt

Associate Director, Oil & Gas

Die Hunt

Sundry Number: 14883 API Well Number: 43047510810000

	STATE OF UTAH	050			FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEAS UTU02	E DESIGNATION AND SERIAL NUMBER: 85A	
SUNDF	RY NOTICES AND REPORTS	S ON	WELLS	6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.				or CA AGREEMENT NAME: TA WELLS
1. TYPE OF WELL Gas Well					L NAME and NUMBER: 1531-25D
2. NAME OF OPERATOR: EOG Resources, Inc.				1 -	NUMBER: 510810000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna			UMBER: xt		<b>D and POOL or WILDCAT:</b> RAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0625 FNL 1873 FEL				COUNT	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NWNE Section: 25	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian	ı: S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT,	OR OTI	HER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	☐ ACIDIZE		ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
5/5/2011	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK
	☐ PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	☐ TUBING REPAIR		VENT OR FLARE		WATER DISPOSAL
DRILLING REPORT	□ WATER SHUTOFF	□ :	SI TA STATUS EXTENSION	1	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION		OTHER	отн	ED.
			-		<u></u>
l .	respectfully requests the AP extended for one year	D for		e 🔼	approved by the
					Jtah Division of I, Gas and Mining
			D	ate:_	05/05/2011
			E	y: <u></u>	.0054XXX
					<i>y</i> 3
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBE</b> 435 781-9145	R	<b>TITLE</b> Operations Clerk		
SIGNATURE N/A			<b>DATE</b> 5/5/2011		

Sundry Number: 14883 API Well Number: 43047510810000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

### Request for Permit Extension Validation Well Number 43047510810000

**API:** 43047510810000 **Well Name:** CWU 1531-25D

Location: 0625 FNL 1873 FEL QTR NWNE SEC 25 TWNP 090S RNG 220E MER S

**Company Permit Issued to:** EOG RESOURCES, INC.

**Date Original Permit Issued:** 5/17/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes </li> <li>No</li> </ul>
• Has the approved source of water for drilling changed? 🔘 Yes 🌘 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   No  No

**Signature:** Mickenzie Gates **Date:** 5/5/2011

Title: Operations Clerk Representing: EOG RESOURCES, INC.

Form 3160-3 (August 2007)

# RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR APR 2 3 2010 BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

5. Lease Serial No.

1 0	00203A	

APPLICATION FOR PERMIT TO DRILL OR REENTER			6. If Indian, Allottee or Tribe Name			
Ia. Type of Work:	<b>⊠</b> DRILL	REENTER			7. If Unit or CA Agreeme UTU63013BF	nt, Name and No.
,					L	
1b. Type of Well:	Oil Well	☑ Gas Well ☐ Otl		gle Zone 🔲 Multiple Zone	8. Lease Name and Well CWU 1531-25D	No.
<ol><li>Name of Operator EOG RESOU</li></ol>	RCFS INC	Contact:	MARY A. MAESTA aestas@eogresources.c	AS om	9. API Well No.	
3a. Address					43-047-5	1081
1060 EAST HIC VERNAL, UT 8		•	3b. Phone No. (inch Ph: 303-824-552	26	10. Field and Pool, or Ex NATURAL BUTTE	S S
4. Location of Well	(Report locat	ion clearly and in accord	ance with any State req	uirements.*)	11. Sec., T., R., M., or BI	k. and Survey or Area
At surface At proposed pr		E 625FNL 1873FEL 4 E 466FNL 1324FEL 4			Sec 25 T9S R22E SME: BLM	Mer SLB
14. Distance in mile	es and direction	from nearest fown or nost			12. County or Parish	13. State
50.5 MILES S	OUTH OF VE	RNAL, UTAH			UINTAH	UT
15. Distance from p	proposed location	to nearest property or ig. unit line, if any)	16. No. of Acres in I	ease	17. Spacing Unit dedicate	d to this well
466'	uso to heatest di	ig. umi mie, ii any)	1800.00			
18. Distance from p	proposed location lied for, on this l	to nearest well, drilling,	19. Proposed Depth		20. BLM/BIA Bond No. o	on file
940'		·	9340 MD 9290 TVD		NM 2308	
21. Elevations (Sho 5065 GL	w whether DF, k	B, RT, GL, etc.	22. Approximate dat	e work will start	23. Estimated duration	
			24. Att	achments		
The following, comple	eted in accordance	e with the requirements of	f Onshore Oil and Gas	Order No. 1, shall be attached to	this form:	
Well plat certified l A Drilling Plan. A Surface Use Plar SUPO shall be fi	(if the location	nrveyor. is on National Forest Systo opriate Forest Service Off	em Lands, the ice).	Bond to cover the operation litem 20 above).     Operator certification     Such other site specific in authorized officer.		,
25. Signature			Name (Printed/Typed	<u> </u>		
(Electronic Su	bmission)		MARY A. MAE	STAS Ph: 303-824-5526	3	Date 04/23/2010
Title REGULATOR	Y ASSISTAN	Т				<u>- L</u>
Approved by (Signat	ture)		Name (Printed/Typed			Date
_ du T	med			<sup>9</sup> Jerry Kenczka		FEB 1 7 201
	tan Field Ma Mineral Res		Office	VERNAL FIEL	D OFFICE	
application approval of perations thereon.	loes not warrant	or certify the applicant ho	lds legal or equitable ti	tle to those rights in the subject l	ease which would entitle the	applicant to conduct
Conditions of approva			NDITIONS OF A	PPROVAL ATTACHED	)	<u> </u>
Fitle 18 U.S.C. Section tates any false, fictition	n 1001 and Title ous or fraudulent	43 U.S.C. Section 1212, r statements or representati	nake it a crime for any ions as to any matter w	person knowingly and willfully thin its jurisdiction.		
Additional Opera	tor Remarks	(see next page)				RECEIVED
				d by the BLM Well Information	mation System	RECEIVED FEB 2 8 2012
AFMS	S# <sup>Commit</sup>	tted to AFMSS for p	rocessing by ROE	INC, sent to the Vernal BIN R. HANSEN on 04/26	/2010 (10RRH027 <b>/A)</b> E)	OIL, GAS & MINIMA
					A 1-25 and 1	TTAIIAG

BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

IORRHD274DE

NO MAG

**NOTICE OF APPROVAL** 



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE VERNAL, UT 84078

(435) 781-4400



### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	EOG Resources, Inc.	Location:	NWNE, Sec. 25, T9S, R22E
Well No:	CWU 1531-25D	Lease No:	UTU-0285A
API No:	43-047-51081	Agreement:	Chapita Wells Unit

**OFFICE NUMBER:** 

170 South 500 East

(435) 781-4400

**OFFICE FAX NUMBER:** 

(435) 781-3420

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	_	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <u>blm_ut_vn_opreport@blm.gov</u> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: CWU 1531-25D 2/22/2012

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.
- No construction, drilling or completion operations will occur within 0.25 miles of burrowing owl nesting habitat from March 1 through August 31.
- If it is anticipated that construction or drilling will occur during the given timing restriction, a BLM or
  qualified biologist shall be notified to conduct surveys for raptors. Depending upon the results of
  the surveys, permission to proceed may or may not be granted by the Authorized Officer.
- Construction of the pad, road and associated pipeline for CWU 1535-25D, 1536-25D, 1537-25D, 1538-25D, and 1540-25D would be monitored by a permitted paleontologist.
- If during the construction of any wells evaluated in this document any vertebrate paleontological resources are discovered all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intake until authorized to proceed by the authorized officer.
- All vehicular traffic, personnel movement, construction and restoration activities would be confined to areas cleared by the site inventory and to existing roads.
- Applicant Committed Mitigation:
  - All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams of NOx per horsepower-hour.
     This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower-hour.
  - All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gram of NOx per horsepower-hour.
  - Emissions will be routed from existing TEG dehydrators to control devices.
  - o Heat trace pump exhaust will be routed to burners or control devices.
  - Control devices will be installed for tank flash on production facilities with greater than 8 tpy VOC emissions.

Page 3 of 7 Well: CWU 1531-25D 2/22/2012

- Low bleed controllers will be installed on new equipment or retrofit to existing equipment.
- Desiccant dehydration equipment will be utilized on all new production facilities and retrofit existing TEG dehydrators with desiccant dehydration.
- A Thief hatch/Enardo inspection and replacement program will be established to minimize tank losses.
- Well visits will be minimized using telemetry.
- o Ozone generation will be minimized by reasonable operational procedures.
- o If pump jacks are required, then hospital mufflers would be installed.

Page 4 of 7 Well: CWU 1531-25D 2/22/2012

# DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from Total Depth to Surface.
- Cement Program Per your APD, page 4:
  - o Surface Casing: Lead Cement to surface, Tail 500' above the shoe
  - Production Casing: Lead 200' above the 9 5/8' casing shoe, Tail 400' above top of Wasatch

#### Variances Granted

#### Air Drilling

- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore and not in a straight line with water mist used to control dust.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors.
- Automatic igniter or continuous pilot light on the blooie line.
- Operator must notify BLM Vernal office of any active Gilsonite operation within 2 miles of the location 48 hours prior to any blasting on this well location

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a

Page 5 of 7 Well: CWU 1531-25D 2/22/2012

test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
  Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
   Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: CWU 1531-25D

2/22/2012

#### **OPERATING REQUIREMENT REMINDERS:**

 All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at <a href="https://www.ONRR.gov">www.ONRR.gov</a>.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on
  which the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

Page 7 of 7 Well: CWU 1531-25D 2/22/2012

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to
  the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first.
  All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All
  product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in
  accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 25508 API Well Number: 43047510810000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1531-25D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047510810000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000		PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0625 FNL 1873 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 25 Township: 09.0S Range: 22.0E Meridi	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
7	ACIDIZE [	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
5/9/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN [	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:		OTHER	OTHER
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
I .	completed operations. Clearly show all nc. respectfully requests the A well be extended for one ye	PD for the referenced	Approved by the Utah Division of Oil, Gas and Mining
			Date: May 17, 2012
			Date: May 17, 2012
			By: Doddy Ll
NAME (PLEASE PRINT)	PHONE NUMBE		
Mickenzie Gates	435 781-9145	Operations Clerk	
SIGNATURE N/A		<b>DATE</b> 5/9/2012	

Sundry Number: 25508 API Well Number: 43047510810000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047510810000

**API:** 43047510810000 Well Name: CWU 1531-25D

Location: 0625 FNL 1873 FEL QTR NWNE SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 5/17/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes No
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Mickenzie Gates Date: 5/9/2012

Title: Operations Clerk Representing: EOG RESOURCES, INC.

Sundry Number: 37591 API Well Number: 43047510810000

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1531-25D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047510810000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	0 N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0625 FNL 1873 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	<b>HIP, RANGE, MERIDIAN:</b> 25 Township: 09.0S Range: 22.0E Meri	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT Approximate date work will start: 5/6/2013	CHANGE TO PREVIOUS PLANS	ALTER CASING  CHANGE TUBING	CASING REPAIR CHANGE WELL NAME
SUBSEQUENT REPORT Date of Work Completion:	CHANGE WELL STATUS  DEEPEN	COMMINGLE PRODUCING FORMATIONS  FRACTURE TREAT	CONVERT WELL TYPE  NEW CONSTRUCTION
SPUD REPORT	OPERATOR CHANGE     PRODUCTION START OR RESUME	☐ PLUG AND ABANDON ☐ RECLAMATION OF WELL SITE	☐ PLUG BACK ☐ RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION  TUBING REPAIR	SIDETRACK TO REPAIR WELL  VENT OR FLARE	TEMPORARY ABANDON  WATER DISPOSAL
DRILLING REPORT Report Date:	water shutoff	SI TA STATUS EXTENSION	✓ APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
I .	completed operations. Clearly show nc. respectfully requests the well be extended for one y	APD for the referenced	depths, volumes, etc.  Approved by the  Utah Division of  Oil, Gas and Mining
			Date: May 14, 2013  By:
NAME (PLEASE PRINT) Vail Nazzaro	<b>PHONE NUMB</b> 303 824-5590	BER TITLE Sr. Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 5/6/2013	

Sundry Number: 37591 API Well Number: 43047510810000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047510810000

API: 43047510810000 Well Name: CWU 1531-25D

Location: 0625 FNL 1873 FEL QTR NWNE SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

**Date Original Permit Issued: 5/17/2010** 

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of the proposed well? Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes No
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Vail Nazzaro Date: 5/6/2013

Sig

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 50831 API Well Number: 43047510810000

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizonta n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1531-25D
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047510810000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000		HONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0625 FNL 1873 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 25 Township: 09.0S Range: 22.0E Meridia	nn: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show all nc. respectfully requests the Al well be extended for one year	PD for the referenced	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  Depths, volumes, etc.  Approved by the Utah Division of Oil, Gas and Mining May 12, 2014  Date:  By:
NAME (PLEASE PRINT)	PHONE NUMBER		
Donna J Skinner  SIGNATURE	303 262-9467	Sr. Regulatory Assistant  DATE	
N/A		5/7/2014	

Sundry Number: 50831 API Well Number: 43047510810000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047510810000

**API:** 43047510810000 Well Name: CWU 1531-25D

Location: 0625 FNL 1873 FEL QTR NWNE SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 5/17/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Q Yes No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ( Yes ( No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?   Yes  No
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Donna I Skinner Date: 5/7/2014

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Form 3160-5 (August 2007)

1. Type of Well

# UNITED STATES

KYLE PEDLAR

E-Mail: kyle\_pedlar@eogresources.com

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** 

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

TYPE OF ACTION

FORM APPROVED OMB NO. 1004-0135

	Ę.	xpires:	Jury
Lease	Serial	No.	
UTU	0285/	Δ,	

SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-en and abandoned well. Use form 3160-3 (APD) for such produced		A i	A
Do not use this form for proposals to drill or to re-en entered	1	M	/1
abandoned well. Use form 3160-3 (APD) for such prod <b>ess</b>		1 A	3

Contact:

6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. 892000905BF
8. Well Name and No. CWU 1531-25D
9. API Well No. 43-047-51081-00-X1

3b. Phone No. (include area code) Ph: 303-262-9906 600 17TH STREET, SUITE 1000N **DENVER, CO 80202** 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

10. Field and Pool, or Exploratory NATURAL BUTTES

11. County or Parish, and State

Sec 25 T9S R22E NWNE 625FNL 1873FEL 40.012561 N Lat, 109.385592 W Lon

Oil Well Gas Well Other

Name of Operator EOG RESOURCES INC

TYPE OF SUBMISSION

approved on February 17, 2012.

UINTAH COUNTY, UT

12. C	HECK APPROPRIATE	BOX(ES) TO INDICA	ATE NATURE OF NOTICE	E, REPORT, OR OTHER DATA
-------	------------------	-------------------	----------------------	--------------------------

Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	■ Well Integrity
☐ Subsequent Report	□ Casing Repair	■ New Construction	■ Recomplete	Other
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	□ Temporarily Abandon	Change to Original A PD
	☐ Convert to Injection	Plug Back	■ Water Disposal	
Attach the Bond under which the wor following completion of the involved	ally or recomplete horizontally, given it will be performed or provide the operations. If the operation results bandonment Notices shall be filed or the perfect of the	e subsurface locations and meas Bond No. on file with BLM/BL s in a multiple completion or rec	ng date of any proposed work and appro- ured and true vertical depths of all perting.  A. Required subsequent reports shall be completion in a new interval, a Form 316 ding reclamation, have been completed,	nent markers and zones. c filed within 30 days 50-4 shall be filed once

EOG Resources, Inc. respectfully requests a two year extension for the referenced APD originally

RECEIVED

SEP 29 2014

DIV. OF OIL, GAS & MININO

VERNAL FIELD OFFICE			
ENG. M	9/23/14		
GEOL			
E.S			
PET			
RECL	,		

14. I hereby certify that the foregoing is true and correct.  Electronic Submission #231510 verified by the BLM Well Information System  For EOG RESOURCES INC, sent to the Vernal  Committed to AFMSS for processing by LE\$LIE BUHLER on 01/14/2014 (14LBB3661SE)				
Name (Printed/Typed)	Name (Printed/Typed) KYLE PEDLAR Title REGULATORY ASSISTANT			
Signature	(Electronic Submission)	Date	01/09/2014	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE				

Approved By

Assistant Field Manager Lands & Mineral Resources Title

SEP\_1.7 2014

Conditions of approval if any, are attached. Approval of this notice does not warrant or certify that the applicant folds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

IAL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### Revisions to Operator-Submitted EC Data for Sundry Notice #231510

**Operator Submitted** 

**BLM Revised (AFMSS)** 

Sundry Type:

OTHER

APDCH NOI

NOI

Lease:

4 . . . \*

UTU0285A

UTU0285A

Agreement:

UTU63013BF

892000905BF (UTU63013BF)

Operator:

EOG RESOURCES, INC. 600 17TH ST., SUITE 1000N DENVER, CO 80202 Ph: 303-262-9906

EOG RESOURCES INC 600 17TH STREET, SUITE 1000N DENVER, CO 80202 Ph: 303-572-9000

Admin Contact:

KYLE PEDLAR
REGULATORY ASSISTANT
E-Mail: kyle\_pedlar@eogresources.com

KYLE PEDLAR
REGULATORY ASSISTANT
E-Mail: kyle\_pedlar@eogresources.com

Ph: 303-262-9906 Ph: 303-262-9906

**Tech Contact:** 

KYLE PEDLAR REGULATORY ASSISTANT

KYLE PEDLAR REGULATORY ASSISTANT

E-Mail: kyle\_pedlar@eogresources.com

E-Mail: kyle\_pedlar@eogresources.com

Ph: 303-262-9906

Ph: 303-262-9906

Location:

State: County: UT UINTAH

UT UINTAH

Field/Pool:

**NATURAL BUTTES** 

NATURAL BUTTES

Well/Facility:

CHAPITA WELLS UNIT 1531-25D Sec 25 T9S R22E Mer SLB NWNE 625FNL 1873FEL 40.012560 N Lat, 109.385590 W Lon

CWU 1531-25D Sec 25 T9S R22E NWNE 625FNL 1873FEL 40.012561 N Lat, 109.385592 W Lon

# **CONDITIONS OF APPROVAL**

## **EOG Resources Inc**

### Notice of Intent APD Extension

Lease:

UTU-0285A

Well:

CWU 1531-25D

Location:

NWNE Sec 25 T9S-R22E

An extension for the referenced APD is granted with the following conditions:

- 1. The APD extension shall expire on 2/27/16
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Michael Riches of this office at (435) 781-4438

Sundry Number: 63140 API Well Number: 43047510810000

STATE OF UTAH					
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1531-25D		
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047510810000		
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	0 N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0625 FNL 1873 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: NWNE Section:	HIP, RANGE, MERIDIAN: 25 Township: 09.0S Range: 22.0E Merid	ian: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
7	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
5/6/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION		
Report Date:		SITA STATUS EXTENSION	AFDENIENSION		
	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. respectfully requests the APD for the referenced  well be extended for one year.  Wall be including dates, depths, volumes, etc.  Approved by the UMaly DW,i全015of Oil, Gas and Mining					
			Date:		
			By: Bally Sill		
NAME (PLEASE PRINT) Kaylene Gardner	PHONE NUMBE 435 781-9111	R TITLE Regulatory Administrator			
SIGNATURE	-	DATE			
N/A		5/6/2015			

Sundry Number: 63140 API Well Number: 43047510810000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047510810000

**API:** 43047510810000 Well Name: CWU 1531-25D

Location: 0625 FNL 1873 FEL QTR NWNE SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 5/17/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ( Yes ( No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes No
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Kaylene Gardner Date: 5/6/2015

Signature: Kaylene Gardner

Title: Regulatory Administrator Representing: EOG RESOURCES, INC.

Sundry Number: 70820 API Well Number: 43047510810000

STATE OF UTAH					
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1531-25D		
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047510810000		
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1000N	, Denver, CO, 80202	<b>PHONE NUMBER:</b> 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0625 FNL 1873 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 25 Township: 09.0S Range: 22.0E Meri	dian: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
4/4/2016	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	_				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION		
Date of Sputt.	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
	L TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION		
	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. respectfully requests the APD for the referenced  well be extended for one year.  Approved by the  Ukphil 05;s2016f Oil, Gas and Mining					
			Date:		
			By: Bacylll		
NAME (PLEASE PRINT) Kristen Sheehan	<b>PHONE NUMB</b> 303 262-9931	ER TITLE Assistant Regulatory			
SIGNATURE		DATE			
N/A		4/4/2016			

Sundry Number: 70820 API Well Number: 43047510810000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047510810000

**API:** 43047510810000 Well Name: CWU 1531-25D

Location: 0625 FNL 1873 FEL QTR NWNE SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 5/17/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?       Yes       No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes No
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
natura: Kristan Sheehan Data: 1/1/2016

**Signature:** Kristen Sheehan **Date:** 4/4/2016

Title: Assistant Regulatory Representing: EOG RESOURCES, INC.



### **United States Department of the Interior**

**BUREAU OF LAND MANAGEMENT** 

Green River District Vernal Field Office 170 South 500 East Vernal, UT 84078 http://www.blm.gov/ut/st/en/fo/vernal.html



MAR 2 5 2016

IN REPLY REFER TO: 3160 (UTG011)

Kaylene Gardner EOG Resources Inc. 600 17th Street, Suite 1000 N Denver, CO 80202

RECEIVED APR 0.4 2016

DIV. OF OIL, GAS & MINING

#### Dear Kaylene:

The referenced Applications for Permit to Drill (APD) have expired. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced applications has expired. If you intend to drill at these locations in the future, a new Application for Permit to Drill must be submitted.

43-147

Lease	Well	Aliquot	Sec., T., R.	Approved	Expiration	Extension Exp.
UTU-0285A	1530-25D	NWNE	Sec. 25-T9S-R22E	2/17/2012	2/17/2014	2/17/2016 51080
UTU-0285A	1531-25D	NWNE	Sec. 25-T9S-R22E	2/17/2012	2/17/2014	2/17/2016 5/08
UTU-0285A	1532-25D	NWNE	Sec. 25-T9S-R22E	2/17/2012	2/17/2014	2/17/2016 51082
UTU-0285A	1533-25D	NWNE	Sec. 25-T9S-R22E	2/17/2012	2/17/2014	2/17/2016 51083
UTU-0285A	1534-25D	NWNE	Sec. 25-T9S-R22E	2/17/2012	2/17/2014	2/17/2016 51084
UTU-0285A	1535-25D	NWNW	Sec. 25-T9S-R22E	3/9/2012	3/9/2014	3/9/2016 51172
UTU-0285A	1536-25D	NWNW	Sec. 25-T9S-R22E	3/8/2012	3/8/2014	3/8/2016 51173
UTU-0285A	1537-25D	NWNW	Sec. 25-T9S-R22E	3/8/2012	3/8/2014	3/8/2016 51174
UTU-0285A	1538-25D	NWNW	Sec. 25-T9S-R22E	3/8/2012	3/8/2014	3/8/2016 5117.5
UTU-0285A	1539-25D	NWNW	Sec. 25-T9S-R22E	3/8/2012	3/8/2014	3/8/2016 51174
UTU-0285A	1540-25D	NWNW	Sec. 25-T9S-R22E	3/8/2012	3/8/2014	3/8/2016 51177

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved location of these wells is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office.

Your cooperation in this matter is appreciated. If you have any questions regarding this matter, please contact Jeanne E. Newman at (435) 781-4488.

Sincerely,

ér∞ Kenczka

Assistant Field Manager

Lands & Mineral Resources